

IN THE CLAIMS

Please cancel claims 3 and 6-10 without prejudice, and amend the claims as follows:

1. (currently amended) A method for producing a quartz glass blank, said method comprising: a method step in which SiO₂ particles are produced by a row of deposition burners and deposited on a cylinder outer surface of a carrier rotating about a longitudinal axis thereof to form a cylindrical porous SiO₂ soot body, a temperature adjustment body altering a surface temperature of the soot body as it is being formed, wherein the temperature adjustment body comprises **one or more reflector elements a planar element** extending along a substantial part of the SiO₂ soot body, **the reflector element or elements acting which either acts as a homogeneous heat sink and has a temperature-shielding effect on the soot body surface or, acts** as a homogeneous reflector **with a reflectance for IR radiation between 80% and 100%**, and **having** **has** a temperature-raising effect due to heat radiation, **and having an efficiency, defined as a solid angle covering the forming SiO₂ soot body, of at least 60%.**
2. (currently amended) The method according to claim 1, wherein said **reflector element or elements planar element** is formed by an inner wall of a housing surrounding the SiO₂ soot body.
3. (cancelled)
4. (currently amended) The method according to claim 3, wherein heat of the deposition burners is reflected towards the soot body by means of the **reflector element or elements planar element**.
5. (currently amended) The method according to claim 3, wherein heat of the forming SiO₂ soot body is reflected by means of the **reflector element or elements planar element** towards the soot body surface.

6. (cancelled)
7. (cancelled)
8. (cancelled)
9. (cancelled)
10. (cancelled)
11. (original) The method according to claim 3, wherein the **reflector element or elements** ~~planar-element~~ is moved along the soot body.
12. (original) The method according to claim 3, wherein the distance between the **reflector element or elements** ~~planar-element~~ and the surface of the forming SiO₂ soot body is kept constant.
13. (original) The method according to claim 1, wherein the **reflector element or elements** ~~planar-element~~ extends over the whole usable length of the soot body.